

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (Currently Amended)

Claims 2 to 4 (Canceled)

Claim 5 (Previously Amended)

Claim 6 (Currently Amended)

Claim 7 (Previously Amended)

Claim 8 (Canceled)

Claim 9 (Previously Amended)

Claim 10 (Currently Amended)

Claim 11 (Original)

Claim 12 (Original)

Claim 13 (Currently Amended)

Claim 14 (Currently Amended)

Claim 15 (Currently Amended)

Claim 16 (Currently Amended)

Claim 17 (Currently Amended)

Claim 18 (Previously Added)

Claim 19 (Previously Added)

Claim 20 (Currently Amended)

1. (Currently Amended) A method of displaying a diagram in an altered state containing magnified or reduced areas of the diagram, comprising the steps of:

storing diagram linkage information as to how other portions of a diagram are affected as to length, size, shade of color and pattern density when a certain portion of at least one displayed line of a diagram is magnified or reduced leaving unchanged portion of the at least one line;

magnifying or reducing the certain portion of the at least one line of data of the diagram with a designated magnification or reduction ratio;

magnifying/reducing at least one of the other portions of the diagram other than the magnified or reduced portion of the diagram in accordance with the diagram linkage information to compensate for changes in the at least one line;

obtaining display specification information characterizing the magnification or reduction ratio of each portion of the diagram; and

displaying each portion of the diagram based on the display specification information characterizing each magnified or reduced portions magnification or reduction ratio including displaying a scale indicating the size of the diagram in its altered and its unaltered state as well as each of the portions of the diagram in their altered state wherein the shade of color and pattern density of changed portions of the diagram and the corresponding portions of the scale are changed in correspondence to the magnification or reduction ratios of these changed portions to distinguish such changed portions from one another and from unchanged portions of the diagram so that the portions of the diagram are characterized differently depending on their magnification or reduction ratio in the display.

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Previously Amended) An apparatus for displaying a diagram with magnified or reduced area, comprising:

means for storing diagram linkage information as to how size and pattern density of other portions of a diagram are affected when a certain portion of a diagram is magnified or reduced;

means for magnifying or reducing the certain portion of the diagram with a designated magnification or reduction ratio;

means for magnifying or reducing the other portions of the diagram other than the magnified or reduced portion of the diagram in accordance with the diagram linkage information;

means for obtaining the display specification information corresponding to the magnification or reduction ratio of each of the portions of the diagrams; and

means for displaying each portion of the diagram based on the display specification information characterizing to each portion magnification or reduction ratio so that the pattern densities of the different portions of the diagram are characterized differently from each other and from unchanged portions of the diagram depending on their magnification or reduction in the display.

6. (Currently Amended) The apparatus according to claim 5, wherein the means for displaying each portion of the diagram includes the means for displaying a scale indicating the size of the diagram as well as each of the magnified, reduced and unchanged portions of each line of the diagram as they appear in the display.

7. (Previously Amended) The apparatus according to claim 5, wherein a shade of color of a portion of the diagram is changed in correspondence to its magnification or reduction ratio.

8. (Canceled)

9. (Previously Amended) A computer program on a computer-readable recording medium for displaying a single page diagram having magnified and reduced areas, wherein the program comprises:

software for diagram linkage information indicating how other portions of a diagram are to be reduced to maintain display of the full diagram when a certain portion of the diagram is magnified;

software responsive to the diagram and image information for magnifying the certain portion of the diagram with a designated magnification ratio;

software for reducing the portions of the diagram other than the magnified or reduced portion of the diagram in accordance with the diagram linkage information to compensate for the increase in the certain portion;

software for obtaining the display specification information characterizing the magnification or reduction ratio of each of the portions of the diagram;

software for displaying each of the portions of the diagram in accordance with the display specification information characterizing each magnification or reduction ratio so that the magnified and reduced portions of the diagram are characterized differently from each other and unchanged portions of the diagram depending on their magnification or reduction ratio in the display.

10. (Currently Amended) The computer program according to claim 9, wherein the software for displaying each of the portions of the diagram includes software for displaying a scale indicating a size of the diagram as well as each of the magnified, reduced and unchanged portions of each line of the diagram as they appear in the display.

11. (Original) The computer program according to claim 9, including software for changing the shade of the color of a portion of the diagram to characterize its magnification or reduction ratio in the diagram.

12. (Original) The computer program according to claim 9, including software for changing the pattern density of a portion of the diagram characterize to its magnification or reduction ratio in the diagram.

13. (Currently Amended) The method of claim 1 including the step of linking the displaying of the diagram to a pointing device so that a display area is magnified expanded when the area is pointed to by the pointing device.

14. (Currently Amended) The method of claim 13 including the step of providing a numeric indication as to the number of bits in each portion in that each portion unchanged state.

15. (Currently Amended) The apparatus of claim 5 including means for linking the displaying of the diagram to a pointing device so that a display area is magnified expanded when that area is pointed to by the pointing device.

16. (Currently Amended) The apparatus of claim 6 including means for providing a numeric indication as to the number of bits in the unchanged state of each portion along with a bar diagram in said scale.

17. (Currently Amended) The apparatus of claim [[15]] 5, wherein said diagram is lines of alphanumeric characters and said certain portion is a rectangular magnified area of the characters including some but not all characters on some but not all lines of said characters and said reduced portions are characters in rectangular areas surrounding said magnified area that includes some but not all characters surrounding the rectangular magnified area where the characters in both the magnified and reduced areas retain their character state and properties.

18. (Previously Added) The computer program of claim 9 including software for linking the displaying of the diagram to a pointing of the diagram to a pointing device so that a display area is expanded when that area is pointed to by the pointing device.

19. (Previously Added) The computer program of claim 18 including software for providing a numeric indication as to the number of bits in each portion along with a bar diagram in said scale.

20. (Currently Amended) The computer program of claim [[19]] 9, wherein said diagram is lines of alphanumeric characters and said certain portion is a rectangular magnified area of the characters including some but not all characters on some but not all lines of said characters and said reduced portions are characters in rectangular areas surrounding said magnified area that includes some but not all characters surrounding the rectangular magnified area where the characters in both the magnified and reduced areas are increased and reduced in size respectively but are otherwise undistorted.